SUPREME WATER TANK SELECTION GUIDE

Choosing the Right Capacity for Apartments, Villas, and Industrial Use

> **The Basic Rule of Thumb:**
> Standard domestic water consumption is estimated at **135 to 150 Liters per person per day (LPCD)**. This covers drinking, cooking, bathing, and cleaning.

1. Individual Villas & Bungalows

For independent homes, the tank capacity should ideally cover 1-2 days of backup in case of supply interruption.

Family Size	Recommended Capacity	Supreme Tank Type
2 - 3 Persons	500 - 750 Liters	Silvanus / Loft Tanks
4 - 6 Persons	1,000 - 1,500 Liters	Silvanus 3-Layer / 4-Layer
Large Families (7+)	2,000+ Liters	Vertical Heavy Duty

2. Residential Apartments

Apartments require a dual-system approach: An **Underground Sump** and **Overhead Tanks (OHT)**.

- **Underground Sump:** Should hold at least 2 days of total building water requirement.
- **Overhead Tank:** Usually holds 1/2 to 1 day's requirement, distributed across multiple tanks for load balancing.

> **Pro Tip:** For a 10-unit apartment with 4 people per unit:
> 10 units x 4 people x 150L = 6,000 Liters per day.

3. Industrial & Commercial Use

Industrial requirements vary significantly based on the manufacturing process and workforce size.

Use Case	Estimation Basis	Capacity Range
Office Buildings	45L per employee per shift	5,000 - 10,000L
Manufacturing Units	Process dependent + Fire safety	10,000 - 50,000L
Schools / Colleges	15-20L per student (day school)	5,000 - 20,000L

Key Features to Look For

DURABILITY

Multi-Layer Insulation: Supreme tanks often come in 3 or 4 layers to reflect sunlight and keep water cool.

HYGIENE

Anti-Bacterial Lining: Look for food-grade LLDPE material to prevent algae growth and contamination.